NIXON PEABODY LLP
101 Federal Street
Boston, Massachusetts 02110

OIPE JC63 APR 12 2002 PATENT & TRADEMARK OFFICE

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed at 201) below or an original, first and joint inventor (if plural names are listed at 201-208 below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

BINARY BAC VECTOR AND USES THEREOF

which is described and claimed in:

☐ the specification attached hereto.

☒ the specification in U.S. Application Serial Number 09/976,687 filed on October 12, 2001; and

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign/PCT Applications and Any Priority Claims Under 35 U.S.C. §119:			
Application No.	**Filing Date**	**Country**	**Priority Claimed under 35 U.S.C. §119?**
			☐YES ☐NO
			☐YES ☐NO
			☐YES ☐NO
			☐YES ☐NO

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 CFR §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

Prior U.S. Applications or PCT International Applications Designating the U.S-Benefit under 35 U.S.C. §120					
U.S. Applications			Status (Check One)		
Application Serial No.		U.S. Filing Date	Patented	Pending	Abandoned
PCT Applications Designating the U.S.					
Application No.	Filing Date	U.S. Serial No. Assigned			

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. §119(e))

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Applicant	Provisional Application Number	Filing Date
Maureen R. Hanson, et al.	60/241,688	10/19/2000

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) with full powers of association, substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Ronald I. Eisenstein	(Reg. No. 30,628)	David S. Resnick	(Reg. No. 34,235)	Michael L. Goldman	(Reg. No. 30,727)
Nicole L.M. Valtz	(Reg. No. 47,150)	Lana A. Shvartsman	(Reg. No. 48,502)	Georgia Evans	(Reg. No. 44,957)
Lisa A. Dolak	(Reg. No. 35,491)	William T. French	(Reg. No. 16,297)	Gunnar G. Leinberg	(Reg. No. 35,584)
Edwin V. Merkel	(Reg. No. 40,087)	Joseph Noto	(Reg. No. 32,163)		

SEND CORRESPONDENCE TO:	DIRECT TELEPHONE CALLS TO:
David S. Resnick NIXON PEABODY LLP 101 Federal Street Boston, Massachusetts 02110	David S. Resnick (617) 345-6057

201	FULL NAME OF INVENTOR	LAST NAME **HANSON**	FIRST NAME **MAUREEN**	MIDDLE NAME **R.**
	RESIDENCE & CITIZENSHIP	CITY **Ithaca**	STATE OR FOREIGN COUNTRY **NY**	COUNTRY OF CITIZENSHIP **US**
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 316 Comstock Rd.	CITY Ithaca	STATE OR COUNTRY AND ZIP CODE NY 14850

202	FULL NAME OF INVENTOR	LAST NAME **HAMILTON**	FIRST NAME **CAROL**	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY **Apax**	STATE OR FOREIGN COUNTRY **NC**	COUNTRY OF CITIZENSHIP **US**
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 2006 Weehawken Place	CITY Apax	STATE OR COUNTRY AND ZIP CODE NC 27502

203	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY AND ZIP CODE

I hereby further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor **201** (M. Hanson) Marvin R Hanson	Date: 12/14/01
Signature of Inventor **202** (C. Hamilton)	Date:
Signature of Inventor **203**	Date:

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PATENT & TRADEMARK OFFICE
JC63

Attorney's Docket No. 019603-002861

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	POST OFFICE ADDRESS	POST OFFICE ADDRESS 2006 Weehawken Place	CITY Apax	STATE OR COUNTRY AND ZIP CODE NC 27502

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Signature of Inventor **201** (M. Hanson)	Date:
Signature of Inventor **202** (C. Hamilton) Carol M. Hamilton	Date: January 25, 2002
Signature of Inventor **203**	Date: